Approved For Release 2003/08/05: CIA RDR78T05161A000400010045-6 LMAGERY NALYSIS VISION PHOTOGRAPHIC INTELLIGENCE REPORT LIQUID ROCKET ENGINE TEST FACILITY OMSK, USSR **Declassification Review by NIMA/DoD** 25X **25**X 61115 CIA/PIR May 1966 DATE 39 COPY 22 **PAGES**

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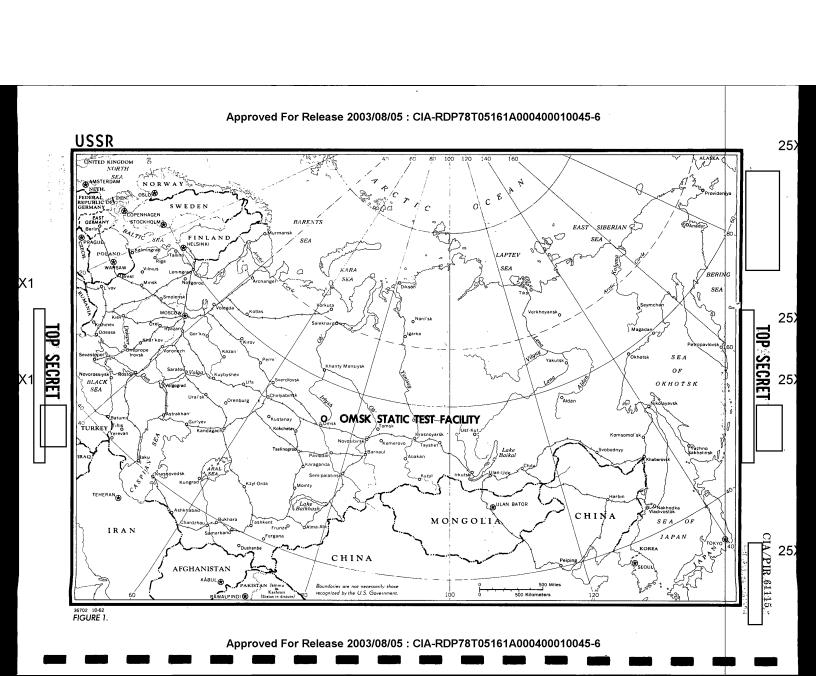
CIA/PIR-61115

CIA IMAGERY ANALYSIS DIVISION

LIQUID ROCKET ENGINE TEST FACILITY

OMSK, USSR

25X 25X



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		SUMMARY	
located at 55- south of the on on the souther facility was t time it was w	-25N 73-17E, 29 raillage of Gornay ast side of the I first observed on the construction of accurate cons	Irtysh River, a major n Numerous subsequen	
consists of the area, the hour rail line ser construction to their continuation connects all coperations are Test Stand No been operations	nree functional a sing area, and the ving the facility support area, withing into the oper three areas of the ea are the primar l encloses a sinal since the fal	ne construction supporty divides into two brach one branch serving rations area. An allene facility. Two verty features at this integle test position where	cllows: the operations of area (Figure 2). The unches just south of the the support area and the weather road also intercical test stands in the astallation. Vertical sich is believed to have bical Test Stand No. 2,
		onstruction in the hou apartment buildings.	sing area has consisted
	ions and housing		support of construction at, but no expansion has
	OPERATIONS	S AREA (Figures 3 and	4)
and also by to of the building istration, co outside of the	ne main access rongs are located wastruction, suppose secured area. space of approxi	oad from the housing a vithin a double wire f ort, and certain misce Within the fenced are imately 174,000 square	om the branch rail line and support areas. Most cence; however, admineral laneous buildings are a are 34 buildings with efeet. Including those contains 44 buildings with



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completed by [Test Stand No support build: to Figure 4.	with the exception of Vertical 2 and its associated control buildings. The operations ings and structures are listed in detail on Table 1 and keyed
Certain o	eservations are of interest in discussing the operations area.
floor space ([protruding froblant with the	with no less than eight large stacks om its multi-leveled roof. This suggests a heat treatment e possibility existing of a small foundry being at one end. A silar building in the operations area at Krasnoyarsk Static
is a large dr	uilding No. 8, which is immediately adjacent to Building No. 5, vive-through building, which measures bly used for the assembly of components.
	wilding No. 3 has a possible connection with four large under- of undetermined usage, located nearby.
neasuring of these build had been parti	there was a large secured area near edge of the operations area containing ten identical buildings. As of
ertical Test	Stand No. 1 (Figures 5 and 6)
avine in the f Vertical Te et high. Ac pproaches from tely 50 feeriginal constiameter and pack of the strate from the growipes may carr	e position test stand is located on the south side of a deep northeast section of the operations area. The super structure st Stand No. 1 measures 50 by 90 feet and is approximately 135 cess to the stand is via a 25-foot wide approach ramp which m the south and enters the northwest side of the stand approxtabove the base; access to the base of the stand is by the ruction road. Two large pipes approximately in ositioned above the access ramp are connected to the side and and. These pipes angle away from the access ramp and appear to nd approximately 235 feet away, near a small building. These y water for the cooling of the blast deflector or could be r simulated high altitude testing.
An observa	tion/control building, measuring feet and situated f the stand, has six windows on the westerly side apparently

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	CIA IMAGER	Y ANALYSIS DIVISION	•	
extend from the be east side of the checkout, and sup	stand. In close p	ation building to the	o a point midway u stand are various	p the asse
Construction	roads to the test	stand site were	evident	
	However, the first		the stand superstrustand appeared to 1	
appeared on complete on		, me	stand appeared to	be.
Vertical Test Sta	nd No. 2 (Figures	7 and 8)		
approximately 900 stand measures access ramps appr west sides. Thes of the structure positions. A lar the two access raimately 1,450 fee blast deflector o is taken into con possible pump hou	feet east of Vertal and is oach the stand from and their presence ge pipeline entermos appears to or the south of the stand a steam line for sideration due to se (Figure 4, Buildersteam)	tical Test Stand s approximately om the rear and stand approximate indicates the ing the rear of iginate at a pos and and may be a r simulated altithe proximity oldings 22 and 23	run along the east ely 40 feet above existence of two to the stand midway be sible pump house as water line to cootude testing. The f the heat plant to).	nd and the b est etwee pprox l the latt o the
building measurin stand on the side	g fe e t.	It is situated n and appears to	be connected to the	e tes
Excavation fo	r stand No. 2 was	begun between	(Mis	sion
		d to be approach	. As of ing completion; how he stand was not or	
	last deflector clo		l Test Stand No. 1	
2. Acces	s roads to the sta	and appeared to	be unimproved as o	f
3 Const	ruction support by	uildings and mat	erials remain evid	ent
throughout the ar		_		

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bserve	_	blast mark at the completed	deflector has been
	existing support used by late	buildings for stand No. 1 are	utilized, the stand
	<u>HC</u>	OUSING AREA (Figures 9 and 10)	_
est factor living	eility. Within thin the guarters of [located approximately three mother area are 101 buildings wit square feet. An additated for administration, storated	th a total floor space sional square
ehicle	s of approximate d enroute between	il served, but utilizes the ma Ly 25 feet in length, possibly n the motor pool at the operat	búses, have been
Fiv	e different types	s of housing are in evidence a	at the Omsk Facility.
on L	quare feet of 1:, and the The four single	(55) duplex and four single univing space. Twelve of the duplement were constructed as a second was complete or units were complete before plex or single units have been	plex units were present
square between	feet of living a	(21) single story apartment ur	nits account for e units were completed
Seet of	living space.	3) two-story apartments accour Ten of these units were comple remaining three completed by	ete by
fe e t of	living area. T , and the t unit was compl	ree-story apartment houses accome first two units were completed additional units have been accepted by	eted by detection and the detection of t

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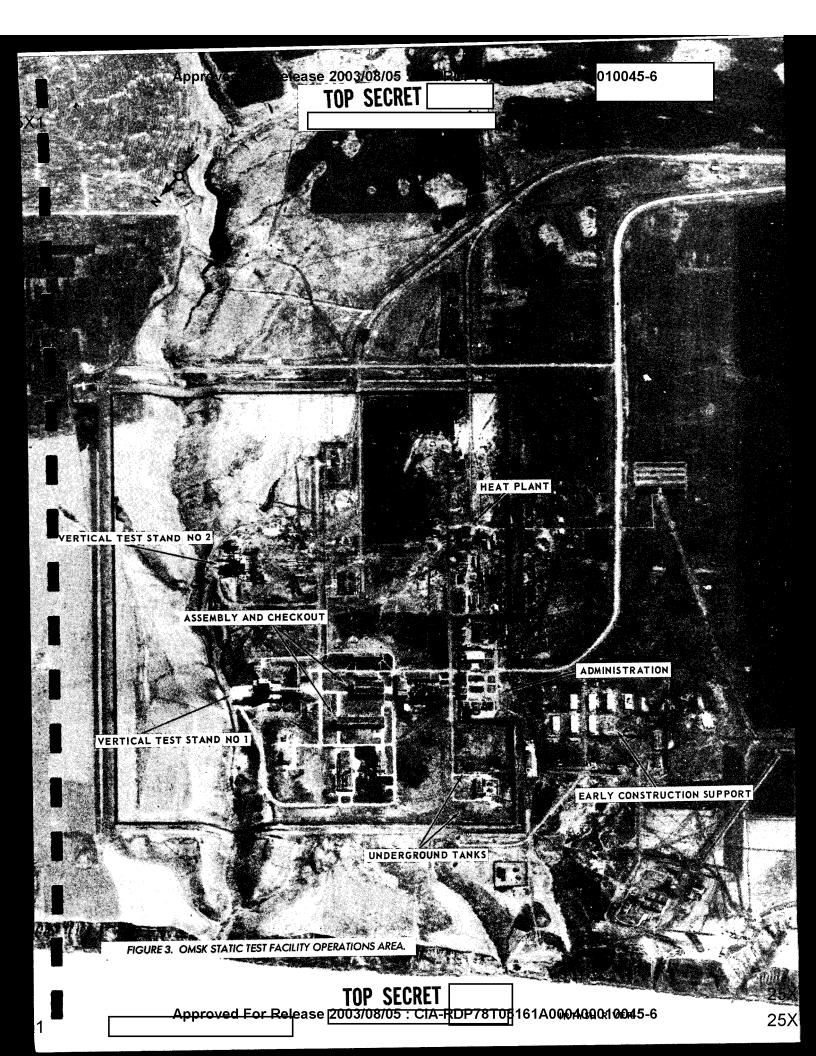
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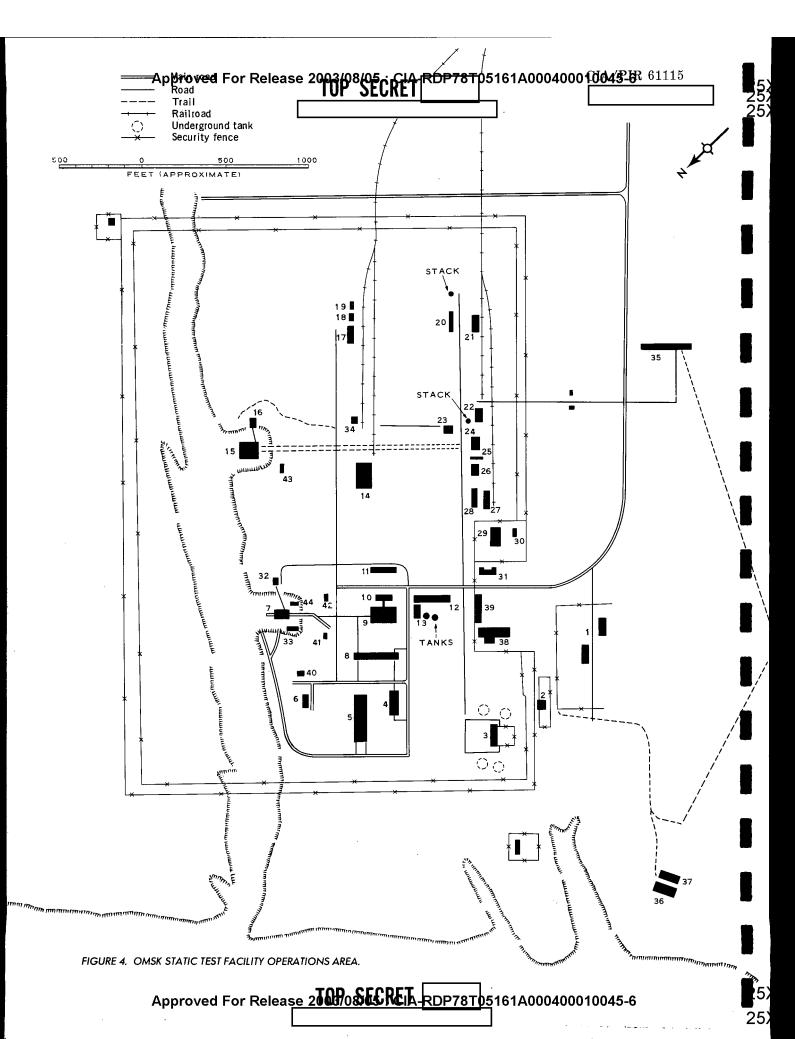
The removal of early construction support buildings as mentioned in the operations area has also been observed in the housing area (Figure 9).

CONSTRUCTION SUPPORT AREA (Figures 11 and 12)

The construction support area lies 3 nm southeast of the operations area via the main access road. No security fencing is visible at the area. The area is served both by the eastern branch of the rail line and by the main access road from the housing and operations area.

Nineteen (19) buildings and structures in the area account for
square feet of floor space. The buildings, most of which appear to be for
storage, are single story structures clustered near the rail spur and mair
access road. A cement batch plant is also located in the area (Figure 12,
Items 12, 13, and 14). Extensive use has been made of open storage areas
between the rail spur and the main access road (Figure 11). The major
portion of this area was complete bywith
two additional units being completed by and
one final structure being erected as late as





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TABLE 1

OMSK STATIC TEST FACILITY

Operations Area

Building	Length (feet)	Width (feet)	Height (feet)	Total Flr. Space (sq. ft.)	Date First Observed (Complete)	
1 (2) 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	(feet)	(feet)			(Complete)	Function of Building Construction Support Possible Barracks Undetermined Assembly Checkout Heat Treatment Plant and Foundry Undetermined Vertical Test Stand 1 Assembly Checkout Assembly Checkout Assembly Checkout Undetermined Undetermined Undetermined Undetermined Support Vertical Test Stand 2 u/c Control for Vertical Test Stand No. 2 Receiving and Storage Receiving and Storage
19 20 21 22 23 24 25 26 27 28 29 30 31						Receiving and Storage Receiving and Storage Receiving and Storage Heat Plant Poss. Water Pump House Receiving and Storage Prob. Motor Pool Prob. Motor Pool Administration Control for Vertical
33 34 35 36 37 38 39 40 41 42 43						Test Stand No. 1 Control Associated Support Support Support Support Administration Administration Undetermined Control Associated Poss. Nitrogen Cylinder Control Associated Control Associated Control Associated

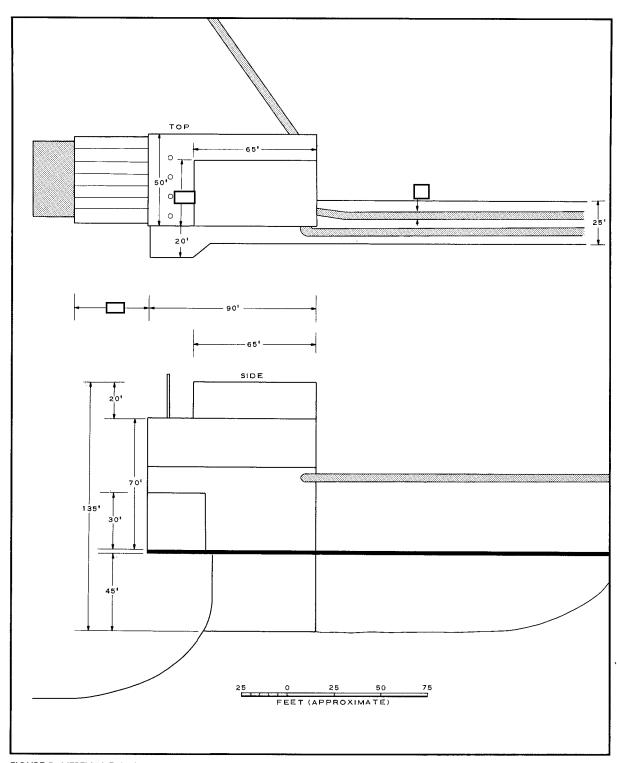


FIGURE 5. VERTICAL TEST STAND NO 1, OMSK, USSR.

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TOP SECRET

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25X1 25X1

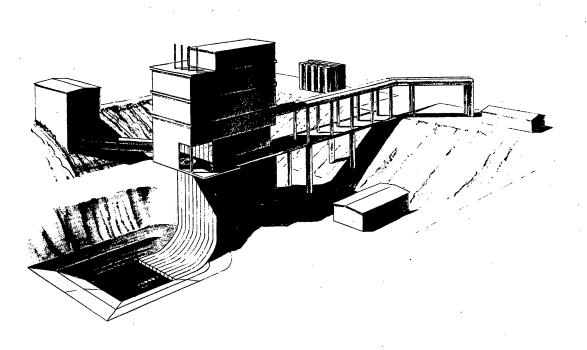


FIGURE 6. VERTICAL TEST STAND NO 1, OMSK, USSR.

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2**\$**X1

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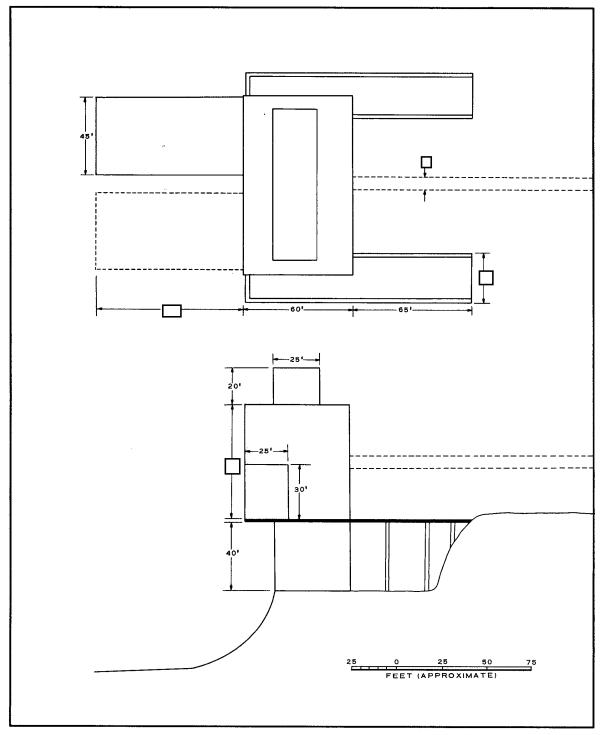


FIGURE 7. VERTICAL TEST STAND NO 2, OMSK, USSR.

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5X1

25X1

2

2

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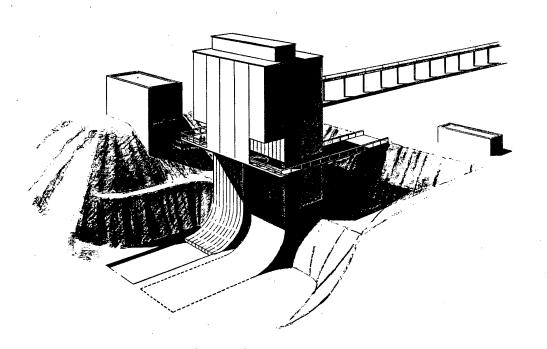


FIGURE 8. VERTICAL TEST STAND NO 2, OMSK, USSR.

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TABLE 2

OMSK STATIC TEST FACILITY

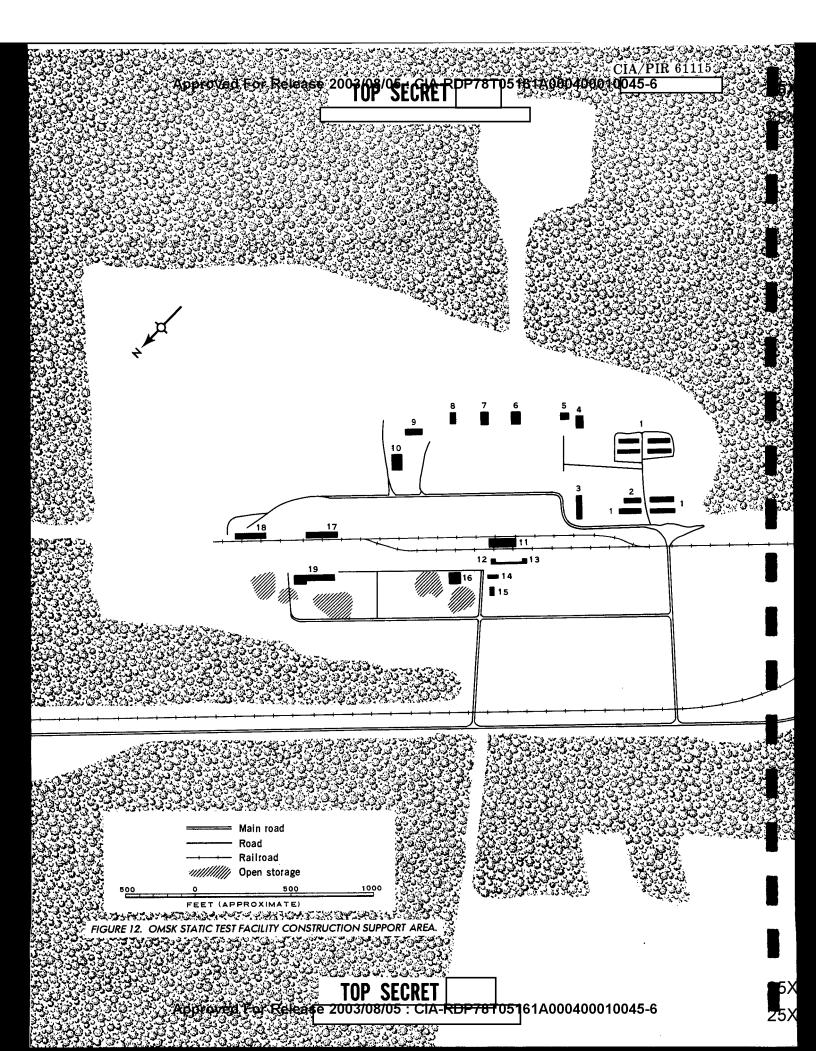
Housing Area

Duplex Housing Storage Duplex Housing Administration	Building	Length (feet)	Width (feet)	Single Unit (sq. ft)	Total Flr. Space (sq. ft)	Date First Observed (complete)	Function of Building
Single Story Apartment Construction Support Construction Support Construction Support Single Story Apartment Two Story Apartment Two Story Apartment Two Story Apartment Two Story Apartment	2 3 4 5 6 7 8 9 10 (12) 11 12 13 14 (5) 16 (4) 17 (5) 18 19 20 21 22 23 (4) 24 (9) 25 26 (2) 27 (10) 28 (2) 29 30 31 32 33 34 335 336 37 38 39 40 41 (12) 42 (4)						Duplex Housing Storage Duplex Housing Administration Single Story Apartment Single Story Apartment Construction Support Construction Support Single Story Apartment Two Story Apartment Two Story Apartment Two Story Apartment Two Story Apartment Three Story Apartment Support Support Heat Plant Support Su

0045-6 FIGURE 11. OMSK STATIC TEST FACILITY CONSTRUCTION SUPPORT AREA.

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TABLE 3

OMSK STATIC TEST FACILITY

Construction Support Area

	·	Single	Total Flr	. Date First	7
Building					Function of Building
1 (7) 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19					Storage Receiving and Storage Cement & Gravel Mix Cement & Gravel Mix Cement Storage Storage Receiving and Storage

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